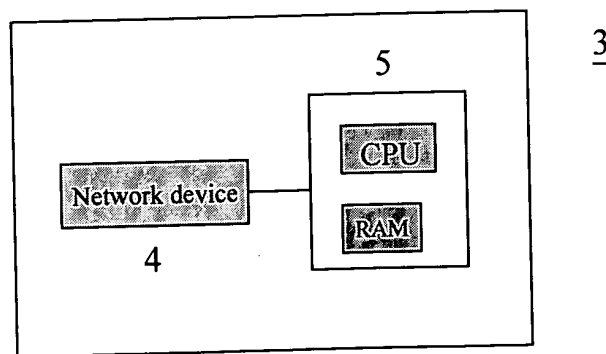
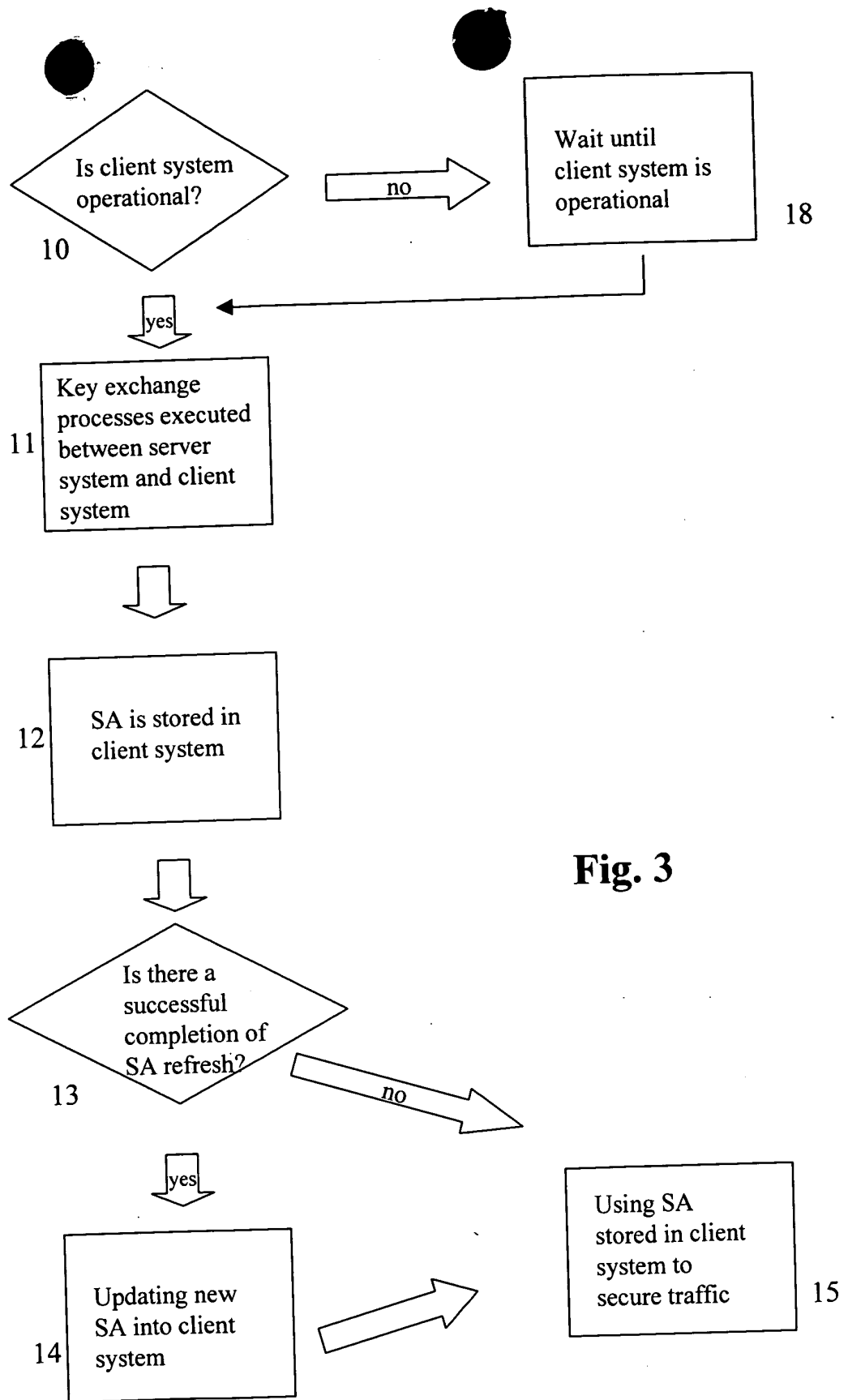


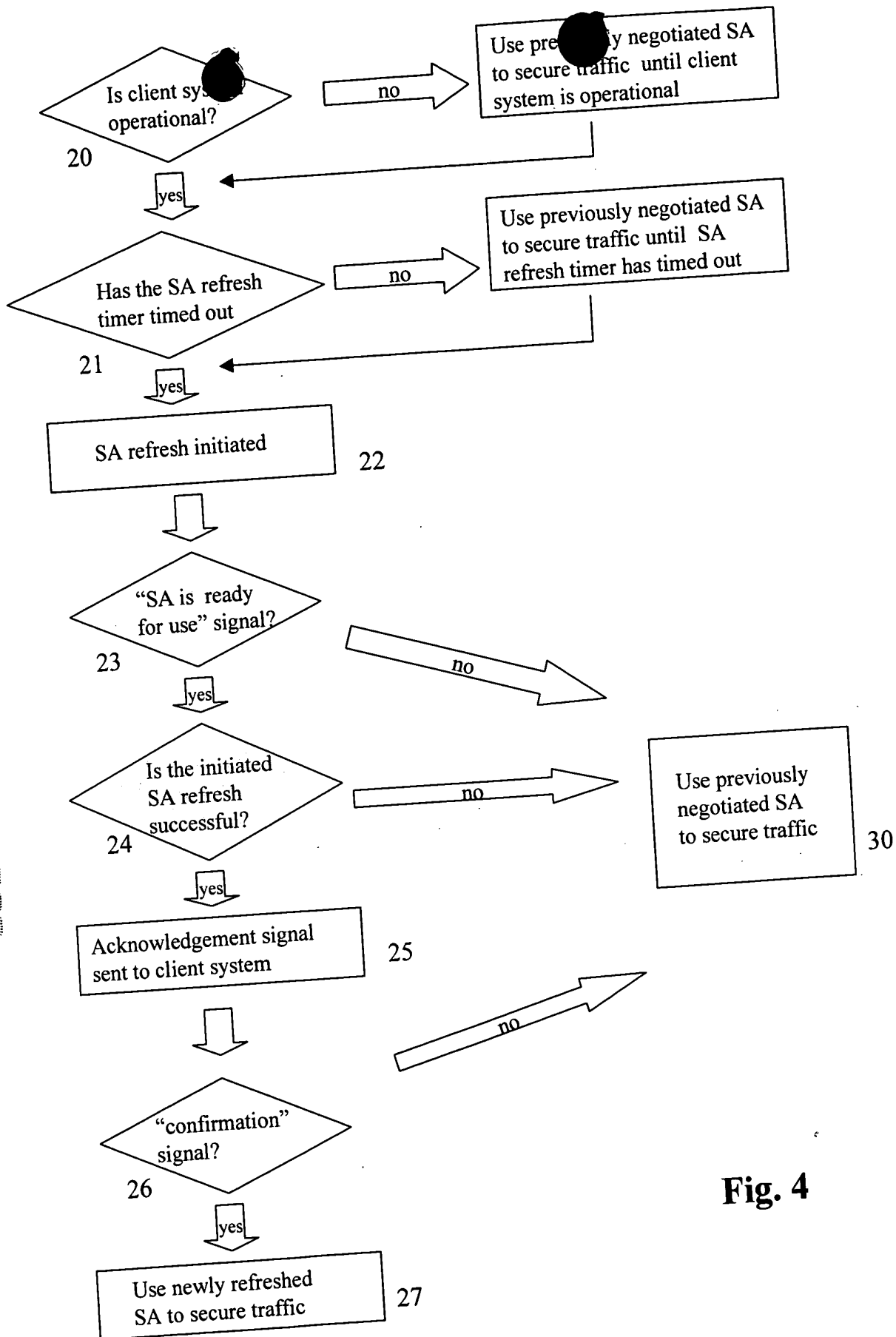
**Fig. 1**

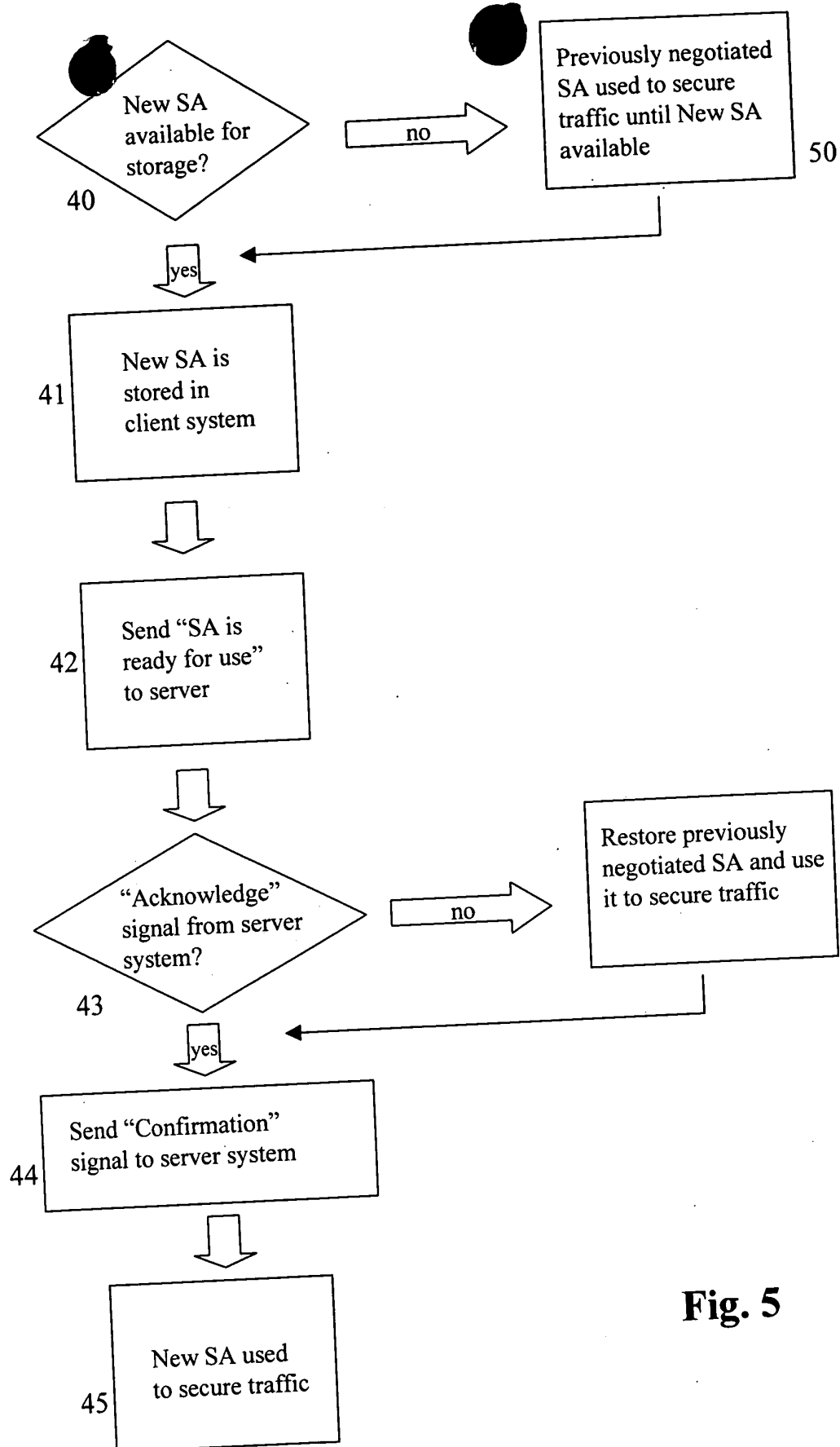


**Fig. 2**



**Fig. 3**





**Fig. 5**

**Fig. 6**

State of Client System	State of Server System	Attributes of Transition States
OS up	OS up	IPSec stack on both client and server systems Newly negotiated SA Updated in client system if there is successful completion of SA refresh
OS hung	OS up	IPSec stack not on client system Previously negotiated SA stored in client system is inhibited from being updated
Pre-boot	OS up	IPSec stack not on client system Previously negotiated SA stored in client system is inhibited from being updated
OS suspend	OS up	IPSec stack not on client system Previously negotiated SA stored in client system is inhibited from being updated
Cold-boot	OS up	Client system does not have any security context Configuration option is provided for managing client system without security
Any state	OS hung	Client system is unmanageable by OS hung server system. Fault tolerant system is provided for switching control to secondary server system
OS hung / Pre-boot	Cold Boot	Server system does not have any security context Configuration option is provided for managing client system without security
Cold Boot	Cold Boot	Neither system has any security context Configuration option is provided for allowing traffic to be communicated in the clear